

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. **(Currently Amended)** A medium flow path comprising a pathway through which a medium for heat exchanges passes together with a pathway through which a medium as a fuel passes, to which magnetic members are provided, the magnetic members generating a magnetic force in a direction substantially perpendicular to the flow direction in each pathway.

2. **(Original)** The medium flow path according to Claim 1, wherein far-infrared ray-generating members are provided in conjunction with the magnetic members.

3. **(Currently Amended)** The medium flow path according to Claim 1, wherein the magnetic flux ~~generated by the magnetic members is 500 to 5,000 gaussses~~ density at the center of the flow path is set at 500 to 5,000 gaussses by the magnetic members.

4. **(Original)** The medium flow path according to Claim 2, wherein the wavelength of the far-infrared ray generated by the far-infrared ray-generating members is within $\pm 10\%$ in relation to a wavelength at which molecules undergo resonance reaction and is $1/N$ thereof, wherein N is a natural number.

5. **(Currently Amended)** The medium flow path according to Claim 1, wherein the magnetic members are arranged in such a manner that mutually identical magnetic poles are juxtaposed or mutually different magnetic poles are alternately juxtaposed at a portion where the members are in contact with the ~~medium~~ cooling flow path.

6. **(New)** A motor comprising the medium flow path as defined in Claim 1.

7. **(New)** The motor according to Claim 6, which is a liquid-cooled motor.

8. **(New)** An industrial machine comprising the medium flow path as defined in Claim 1.

9. (New) The industrial machine according to Claim 8, which is an automobile engine.

10. (New) A motor comprising a cooling medium flow path to which magnetic members are provided, the magnetic members generating a magnetic force in a direction substantially perpendicular to the flow direction, wherein the magnetic flux density at the center of the flow path is set at 500 to 5,000 gaussses.

11. (New) The motor according to Claim 10, wherein far-infrared ray-generating members are provided in conjunction with the magnetic members.

12. (New) The motor according to Claim 11, wherein the wavelength of the far-infrared ray generated by the far-infrared ray-generating members is within $\pm 10\%$ in relation to a wavelength at which molecules undergo resonance reaction and is $1/N$ thereof, wherein N is a natural number.

13. (New) The motor according to Claim 10, wherein the magnetic members are arranged in such a manner that mutually identical magnetic poles are juxtaposed or mutually different

magnetic poles are alternately juxtaposed at a portion where the members are in contact with the medium flow path.

14. (New) The motor according to Claim 10, wherein the medium flow path comprises a pathway through which a cooling medium passes together with a pathway through which a medium as a fuel passes, and further comprises magnetic members provided thereto, the magnetic members generating a magnetic force in a direction substantially perpendicular to the flow direction in each pathway.

15. (New) The motor according to Claim 10, which is used for an automobile.

16. (New) The motor according to Claim 10, which is liquid-cooled.

17. (New) A medium flow path to which magnetic members are provided, the magnetic members generating a magnetic force in a direction substantially perpendicular to the flow direction, in such a manner that the magnetic flux density at the center of the flow path is 2,000 to 5,000 gaussses and to which far-infrared ray-generating members are provided.

18. (New) The medium flow path according to Claim 17, wherein the wavelength of the far-infrared ray generated by the far-infrared ray-generating members is within $\pm 10\%$ in relation to a wavelength at which molecules undergo resonance reaction and is $1/N$ thereof, wherein N is a natural number.

19. (New) The medium flow path according to Claim 17, wherein the magnetic members are arranged in such a manner that mutually identical magnetic poles are juxtaposed or mutually different magnetic poles are alternately juxtaposed at a portion where the members are in contact with the medium flow path.

20. (New) A motor comprising the medium flow path as defined in Claim 17.

21. (New) The motor according to Claim 20, which is a liquid-cooled motor.

22. (New) An industrial machine comprising the medium flow path as defined in Claim 17.

23. (New) The industrial machine according to Claim 22, wherein the medium flow path comprises a pathway through which a medium for heat exchanges passes together with a pathway through which a medium as a fuel passes, and further comprises magnetic members provided thereto, the magnetic members generating a magnetic force in a direction substantially perpendicular to the flow direction in each pathway.

24. (New) The industrial machine according to Claim 23, which is an automobile engine.